

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Gregory A. Hunt on 07/17/09.

2. The application has been amended as follows:

#### **IN THE CLAIMS:**

Claim 1, line 4, the limitation "a telephony-related action" has been replaced by --  
- the telephony-related action ---.

Claim 1, line 5, the limitation "a target end user" has been replaced by --- the  
target end user ---.

Claim 1, line 9, the limitation "that presence registration processing" has been  
replaced by --- that the presence registration processing ---.

Claim 2, line 4, the limitation "IAM message" has been replaced by --- Initial  
Address Message (IAM) message ---.

Claim 3, line 2, the limitation "entering DTMF" has been replaced by --- entering  
Dual Tone Multi-Frequency (DTMF) ---.

Claim 4, line 2, the limitation "presence information" has been replaced by --- the  
presence information ---.

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Claim 5, line 5, the limitation “a telephony-related action” has been replaced by --  
- the telephony-related action ---.

Claim 5, line 6, the limitation “a target end user” has been replaced by --- the  
target end user ---.

Claim 5, line 7, the limitation “the activation” has been replaced by --- an  
activation ---.

Claim 5, line 8, the limitation “the status” has been replaced by --- a status ---.

Claim 6, line 2, the limitation “a presence registration message” has been  
replaced by --- the presence registration message ---.

Claim 7, line 2, the limitation “a presence registration message” has been  
replaced by --- the presence registration message ---.

Claim 8, line 2, the limitation “a presence registration message” has been  
replaced by --- the presence registration message ---.

Claim 22, line 6, the limitation “whether presence registration processing” has  
been replaced by --- whether the presence registration processing ---.

Claim 22, line 9, the limitation “whether presence registration processing” has  
been replaced by --- whether the presence registration processing ---.

Claim 29, line 8, the limitation “a target end user” has been replaced by --- the  
target end user ---.

Claim 29, line 8, the limitation “the presence server ,” has been replaced by ---  
the presence server, ---.

Claim 43, line 5, the limitation "IAM message" has been replaced by --- Initial Address Message (IAM) message ---.

Claim 44, line 2, the limitation "entering DTMF" has been replaced by --- entering Dual Tone Multi-Frequency (DTMF) ---.

Claim 45, line 3, the limitation "presence information" has been replaced by --- the presence information ---.

Claim 46, line 2, the limitation "the activation" has been replaced by --- an activation ---.

Claim 48, line 2, the limitation "an IP message" has been replaced by --- the IP message ---.

Claim 49, line 2, the limitation "an IP message" has been replaced by --- the IP message ---.

Claim 63, line 2, the limitation "the end user's mobile telephone" has been replaced by --- the target end user's mobile telephone ---.

Claim 70, line 2, the limitation "wherein the messaging protocol comprises an instant message protocol." Has been replaced by --- wherein the presence information includes information usable by the users subscribed to the target end user for contacting the target end user via an instant messaging protocol. ---.

Claim 79, line 4, the limitation "a telephony-related action" has been replaced by -- the telephony-related action ---.

Claim 79, line 5, the limitation "a target end user" has been replaced by --- the target end user ---.

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Claim 79, line 10, the limitation "that presence registration processing" has been replaced by --- that the presence registration processing ---.

***Allowable Subject Matter***

3. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior art fails to teach a combination of the steps of:

(c) in response to determining that presence registration processing is required, automatically generating a presence registration message including presence information usable by the presence server for automatically indicating to the end users who are subscribed to the target end user with the presence server a presence status for the target end user, wherein the presence server comprises a server that manages presence information for a collection of entities and subscriptions to those entities, in the specific combination as recited in the claim.

Regarding claim 5, the prior art fails to teach a combination of the steps of:

(b) intercepting the SS7 message, extracting information from the SS7 message, and using the information extracted from the SS7 message to update presence information for the target end user with the presence server, wherein the presence server comprises a server that manages presence information for a collection of entities and subscriptions to those entities, the presence information including information usable by the presence server for automatically indicating to end users who are subscribed to the target end user a presence status for the target end user, in the specific combination as recited in the claim.

Regarding claim 22, the prior art fails to teach a combination of the steps of:

(b) a presence server message generator for, if the communication module determines that presence registration processing is required, for receiving a copy of the SS7 message and for automatically generating a presence registration message including presence information usable by the presence server for automatically indicating to the end users subscribed to the target end user with the presence server a presence status for the target end user, wherein the presence server message generator is adapted to forward the presence registration message to the presence server, and wherein the presence server comprises a server that manages presence information for a collection of entities and subscriptions to those entities, in the specific combination as recited in the claim.

Regarding claim 29, the prior art fails to teach a combination of the steps of:

(b) a presence server message generator for generating, based on the SS7 message, a presence-server-compatible message for updating presence information regarding a target end user with the presence server, the presence information including a presence status for the target end user, wherein the presence server message generator is adapted to forward the presence-server-compatible message to the presence server, and wherein the presence server comprises a server that manages presence information for a collection of entities and subscriptions to those entities, in the specific combination as recited in the claim.

Regarding claim 42, the prior art fails to teach a combination of the steps of:

(b) in response to receiving the SS7 message, formulating an internet protocol (IP) message for updating presence information regarding the target end user

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managed by a presence server, the presence information including information usable by the presence server for automatically indicating to end users subscribed to the target end user with the presence server a presence status for the target end user, wherein the presence server comprises a server that manages presence information for a collection of entities and subscriptions to those entities, in the specific combination as recited in the claim.

Regarding claim 79, the prior art fails to teach a combination of the steps of:

(c) in response to determining that presence registration processing is required, automatically generating a presence registration message including presence information usable by the presence server for automatically indicating to the end users who are subscribed to the target end user with the presence server a presence status for the target end user, in the specific combination as recited in the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TOAN D. NGUYEN whose telephone number is (571)272-3153. The examiner can normally be reached on M-F (7:00AM-4:30PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/T. D. N./  
Examiner, Art Unit 2416

/William Trost/  
Supervisory Patent Examiner, Art Unit 2416